Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/06/2018 10:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125733	0	1.73	125786	1.70
Blue	F	SSC	125000	126258	1	1.96	126929	1.99
Blue	E	FITC	15760	15575	-2	3.00	338	21.62
Blue	D	PE	25880	25462	-2	2.03	554	16.60
Blue	B	PerCP-Cy5-5	34075	33974	-1	4.13	1037	22.59
Blue	A	PE-Cy7	22776	23388	2	7.30	564	44.11
Red	C	APC	42488	42214	-1	2.78	1595	12.85
Red	A	APC-Cy7	24478	24488	0	2.88	840	12.94
Violet	B	V450	6304	6212	-2	4.72	346	18.07
Violet	A	V500	26005	25228	-3	4.18	591	13.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20785	7.29	606	9	N/A	N/A	Pass
Blue	F	SSC	57380	1.42	574	19	N/A	N/A	Pass
Blue	E	FITC	57	72.32	559	3	0.0167	162	Pass
Blue	D	PE	115	57.86	552	3	0.1349	321	Pass
Blue	B	PerCP-Cy5-5	198	53.63	652	5	0.0074	40	Pass
Blue	A	PE-Cy7	112	106.56	705	8	0.0095	22	Pass
Red	C	APC	376	27.47	598	-2	0.0221	185	Pass
Red	A	APC-Cy7	206	28.45	569	-2	0.0048	978	Pass
Violet	B	V450	55	79.24	494	5	0.0239	1865	Pass
Violet	A	V500	88	43.51	510	4	0.0128	801	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-31.07	0.96
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	18.47	13.60 - 20.40	N/A	N/A	30.82	31.45	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13530

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments